

Title (en)

ARTIFICIALLY SYNTHESIZED SPHINGOSINE DERIVATIVE LIPOID MONOMER AND USE OF SAME FOR DELIVERING NUCLEIC ACID

Title (de)

KÜNSTLICH SYNTHETISIERTES SPHINGOSINDERIVAT-LIPOIDMONOMER UND DESSEN VERWENDUNG ZUR VERABREICHUNG VON NUKLEINSÄURE

Title (fr)

MONOMÈRE LIPOÏDE DÉRIVÉ DE SPHINGOSINE SYNTHÉTISÉ ARTIFICIELLEMENT ET SON UTILISATION POUR L'ADMINISTRATION D'ACIDE NUCLÉIQUE

Publication

**EP 3777891 A1 20210217 (EN)**

Application

**EP 19775142 A 20190329**

Priority

- CN 2018081155 W 20180329
- CN 2019080519 W 20190329

Abstract (en)

Provided are an artificially synthesized sphingosine lipid monomer and the use of same for delivering a nucleic acid. In particular, provided is the use or a method of using a compound of formula I, a stereoisomer thereof or a pharmaceutically acceptable salt thereof, or a combination comprising the compound of formula I, the stereoisomer thereof or the pharmaceutically acceptable salt thereof to deliver a nucleic acid to a cell or subject, (I)

IPC 8 full level

**A61K 47/00** (2006.01)

CPC (source: EP US)

**A61K 9/08** (2013.01 - EP); **A61K 9/1075** (2013.01 - EP); **A61K 31/7105** (2013.01 - EP); **A61K 31/711** (2013.01 - EP); **A61K 31/713** (2013.01 - EP); **A61K 36/288** (2013.01 - US); **A61K 36/41** (2013.01 - US); **A61K 45/06** (2013.01 - US); **A61K 47/14** (2013.01 - US); **A61K 47/44** (2013.01 - EP); **A61K 47/46** (2013.01 - EP); **A61P 1/00** (2017.12 - EP); **A61P 1/04** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **C07C 215/10** (2013.01 - EP); **C07C 215/24** (2013.01 - EP); **C07C 215/40** (2013.01 - EP); **C07C 225/06** (2013.01 - EP); **C07C 233/18** (2013.01 - EP); **C07C 235/08** (2013.01 - EP); **C07C 305/06** (2013.01 - EP); **C07F 9/091** (2013.01 - EP); **C07F 9/11** (2013.01 - EP); **C07F 9/113** (2013.01 - EP); **C07H 15/10** (2013.01 - EP); **C12N 15/113** (2013.01 - US); **C12N 15/87** (2013.01 - EP); **C12N 15/88** (2013.01 - EP); **A61K 48/0008** (2013.01 - EP); **A61K 2236/331** (2013.01 - US); **A61K 2236/333** (2013.01 - US); **A61K 2236/37** (2013.01 - US); **A61K 2236/51** (2013.01 - US); **A61K 2236/53** (2013.01 - US); **B82Y 5/00** (2013.01 - US); **B82Y 40/00** (2013.01 - US); **C07B 2200/05** (2013.01 - EP); **C07D 495/04** (2013.01 - EP); **C12N 2310/14** (2013.01 - US); **C12N 2320/32** (2013.01 - US)

Cited by

EP4056552A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3777891 A1 20210217**; **EP 3777891 A4 20220323**; CN 111918672 A 20201110; CN 111918672 B 20230808; WO 2019185038 A1 20191003

DOCDB simple family (application)

**EP 19775142 A 20190329**; CN 2019080519 W 20190329; CN 201980023106 A 20190329